

15W SINGLE OUTPUT INDUSTRIAL DIN RAIL POWER SUPPLY



FEATURES

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over Voltage
- Cooling by free air convection
- Can Be installed on DIN rail TS- 35/7.5 or 15
- Isolation Class II
- LED indicator fo power on
- No load power consumption <0.5W
- 100% full load burn-in test
- 1 year warranty

SPECIFICATION

OUTPUT

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|--------------------------------|--|
| • DC VOLTAGE | 24V |
| • RATED CURRENT | 0.63 A |
| • CURRENT RANGE | 0 ~ 0.63 A |
| • RATED POWER | 15.2 W |
| • RIPPLE & NOISE (max.) Note 2 | 150 mVp-p |
| • VOLTAGE ADJ. RANGE | 21.6 ~ 26.4 V |
| • VOLTAGE TOLLERANCE Note 3 | ± 1.0% |
| • LINE REGULATION | ± 1.0% |
| • LOAD REGULATION | ± 1.0% |
| • SETUP, RISE TIME | 1000 ms, 50ms/230VAC; 1000ms,50ms/115VAC at full load. |
| • HOLD UP TIME (Typ.) | 70 ms/230VAC ; 16ms/115VAC at full load. |

INPUT

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|-------------------------|---|
| • VOLTAGE RANGE | 85 ~ 264 VAC ; 120 ~ 370 VDC |
| • FREQUENCY RANGE | 47 ~ 63 Hz |
| • EFFICIENCY (Typ.) | 85% |
| • AC CURRENT (Typ.) | 0.88 A / 115VAC ; 0.48 A / 230 VAC |
| • INRUSH CURRENT (Typ.) | COLD START 35 A / 115VAC ; 65 A / 230 VAC |

PROTECTION

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|-----------------------------|--|
| • OVERLOAD Note 5 | 105 ~ 160% rated output power ; Protection Type: constant current limiting, recovers automatically after fault condition is removed. |
| • OVER VOLTAGE 27.6 ~ 32.4V | Protection Type: Shut off o/p voltage, clamping by zener diode |

ENVIRONMENT

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|-------------------------|---|
| • WORKING TEMP. | -20 ~ +60°C (Refer to "Derating curve") |
| • WORKING HUMIDITY | 20 ~ 90% RH non - condensing |
| • STORAGE TEMP. UMIDITY | -40 ~ +85°C , 10~95% RH |
| • TEMP. COEFFICIENT | ±0.03%/°(0~50°C) |
| • VIBRATION | 10~500Hz, 2G 10min./1cycle, period for 60 min. each along x,y,z axes; |
| • MOUNTING | Compliance to IEC60068-2-6 |

SAFETY & EMC note 4

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|------------------------|---|
| • SAFETY STANDARDS | UL60950-1, TUV EN60950-1 approved, design refer to EN50178 |
| • WITHSTAND VOLTAGE | I/P-O/P:3KVAC |
| • ISOLATION RESISTANCE | I/P-O/P: 100M Ohms / 500VDC /25 °C / 70% RH |
| • EMC EMISSION | Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B, |
| • N61000-3-2, -3. | |
| • EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A |



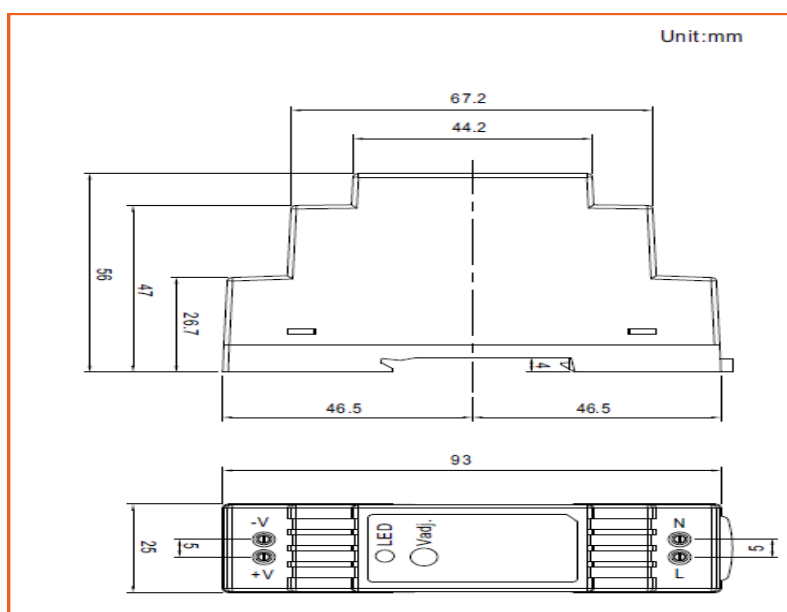
OTHERS

- MTBF 1172.3K HRS min. MIL-HDBK-217F (25°C)
- DIMENSION 25*93*56mm (W*H*D)
- PACKING 0.1Kg; 140pcs/15Kg/0.92CUFT

NOTE

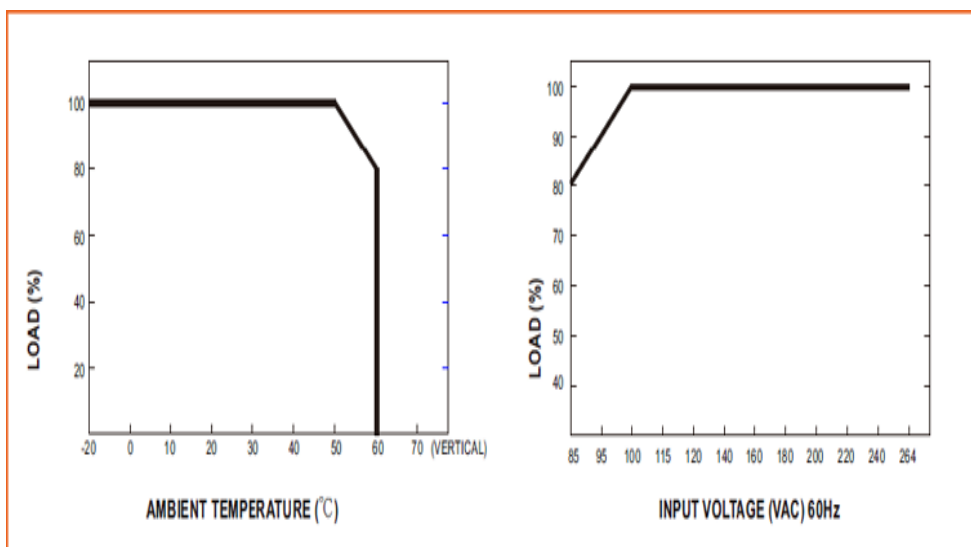
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47 uf parallel capacitor.
3. Tolerance: includes setup tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
5. Constant current operation region is within 60% ~ 100% rated output voltage. Protection type for short circuit is hiccup mode and will recover automatically after fault condition is removed.

MECHANICAL SPECIFICATION



DERATING CURVE

OUTPUT DERATING VS INPUT VOLTAGE



ORDERING CODE:

SIN.AL15W24VDC